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Ex. - T. Cunningham  
CP2  
9B 18 \*

**Patent**

**HAND DELIVERY**

Serial No. 055,942 BBM&B No. 1107.021635 Atty/Sec. DHH/LHP/ceg Date 6/26/90  
Inventor Curt Civin Client JHU  
Title Human Stem Cells and Monoclonal Antibodies

The following has been received in the U.S. Patent and Trademark Office on the date stamped hereon:

- |   |   |
|---|---|
| <input type="checkbox"/> _____ pp Spec. _____ Claims            | <input type="checkbox"/> Petition for Extension til _____                       |
| <input type="checkbox"/> Executed Declaration/Power of Atty     | <input checked="" type="checkbox"/> Amendment: OA dtd <u>March 21, 1990</u>     |
| <input type="checkbox"/> Unexecuted Declaration/Power of Atty   | <input type="checkbox"/> Response: OA dtd _____                                 |
| <input type="checkbox"/> Priority _____                         | <input type="checkbox"/> Response: Missing Parts Notice dtd _____               |
| <input type="checkbox"/> Claim of Priority _____                | <input type="checkbox"/> Rule 1.60 Cont. _____ Div. _____ Application           |
| <input type="checkbox"/> Priority Document _____                | <input type="checkbox"/> (Parent Ser. No. _____; Docket # _____)                |
| <input type="checkbox"/> Informal Drawings _____ sheets         | <input type="checkbox"/> Rule 1.62 Cont. _____ Div. _____ CIP _____ Application |
| <input type="checkbox"/> Formal Drawings _____ sheets           | <input type="checkbox"/> (Parent Ser. No. _____; Docket # _____)                |
| <input type="checkbox"/> Assignment _____                       | <input type="checkbox"/> Notice of Appeal & Fee _____                           |
| <input type="checkbox"/> Verified Statement _____               | <input type="checkbox"/> Brief: _____ Appeal & Fee _____ Reply                  |
| <input type="checkbox"/> Information Disclosure Statement _____ | <input checked="" type="checkbox"/> Issue Fee _____ Advance Patent Copies       |
| <input type="checkbox"/> Prior Art _____                        | <input type="checkbox"/> Letter _____   |
| <input type="checkbox"/> Preliminary Amendment _____            | <input checked="" type="checkbox"/> Check # _____ for \$ _____                  |
| <input type="checkbox"/> _____                                  | <input type="checkbox"/> _____  |
| <input type="checkbox"/> _____                                  | <input type="checkbox"/> _____  |

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of )

CURT I. CIVIN )

) Group Art Unit: 186

Serial No. 055,942 )

) Examiner: T. Cunningham  
CP2 - 9B 18

Filed: July 1, 1987 )

For: HUMAN STEM CELLS AND )  
MONOCLONAL ANTIBODIES )AMENDMENTHonorable Commissioner of Patents  
and Trademarks  
Washington, D.C. 20231

Sir:

Please enter the following amendments in the subject application.

IN THE CLAIMS

2. (Thrice Amended) A monoclonal antibody which specifically binds to an antigen on non-malignant, immature human marrow cells [that], wherein said antigen is stage specific and not lineage dependent, [said antibody recognizing an] and said antigen is also recognized by the antibody produced by the hybridoma deposited under ATCC Accession No. HB-8483 [;

(a) which antigen is present on non-malignant, human blood or bone marrow:

(i) colony-forming cells for granulocytes and monocytes (CFC-GM),

(ii) colony-forming cells for erythrocytes (BFU-E),

(iii) colony-forming cells for eosinophils (CFC-Eo),

(iv) multipotent colony-forming cells (CFC-GEMM), and

(v) immature lymphoid precursor cells;